

PATENT AI

In re the Application of

Tooru OOIWA

Application No.: 09/960,735

Filed:

September 24, 2001

Docket No.:

111334

For:

ROTARY ELECTRIC MACHINE AND METHOD FOR MANUFACTURING THE

SAME

#### SUBMISSION OF POWER OF ATTORNEY BY ASSIGNEE

Director of the U.S. Patent and Trademark Office Washington, D.C. 20231

Sir:

Enclosed is a Power of Attorney by Assignee to be made of record in the aboveidentified application.

In the event of any nonpayment or improper payment of a required fee, the Director is authorized to charge or to credit OLIFF & BERRIDGE, PLC Deposit Account No. 15-0461 as required to correct the error.

Respectfully submitted,

James A. Oliff

Registration No. 27,075

Thomas J. Pardini

Registration No. 30,411

JAO:TJP/kaw

Date: February 15, 2002

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320

Telephone: (703) 836-6400

DEPOSIT ACCOUNT USE **AUTHORIZATION** 

Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461





#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TECHNOLOGY CENTER 280

#### **POWER OF ATTORNEY BY ASSIGNEE**

Director of the U.S. Patent and Trademark Office Washington, D.C. 20231

Sir:

Denso Corporation is the Assignee of the entire right, title and interest in the patent applications identified in the attached Appendix A by virtue of Assignments recorded at the locations identified in the Appendix. Additionally, Denso Corporation is the Assignee of the entire right, title and interest in the following seven patent applications for which Assignments have been filed, but the original Assignments, indicating the dates and reel and frame numbers of recordation, have not yet been returned:

U.S. Patent Application No.	Filed	Inventors
09/879,035	June 13, 2001	Hironao YAMAGUCHI
09/885,163	June 21, 2001	Keiji TAKAHASHI et al.
09/912,301	July 26, 2001	Nakato MURATA et al.
09/918,826	August 1, 2001	Masami NIIMI et al.
09/922,691	August 7, 2001	Tadatoshi ASADA
09/903,494	July 13, 2001	Naoto IWATA et al.
09/873,410	June 5, 2001	Shigenobu NAKAMURA

Copies of the Recordation Cover Sheets and executed Assignments as filed for these applications are attached hereto.

The undersigned is authorized to act on behalf of Denso Corporation; has reviewed the evidentiary documents in the chain of title; and certifies that to the best of the Assignce's knowledge and belief, title is in the Assignee.

Denso Corporation hereby revokes all prior powers of attorney and appoints the following as attorneys of record with full power of substitution and revocation to prosecute this

application and all continuations and divisions thereof, and to transact all business in the Patent and Tradernark Office:

James A. Oliff, Registration No. 27,075;
William P. Berridge, Registration No. 30,024;
Kirk M. Hudson, Registration No. 27,562;
Thomas J. Pardini, Registration No. 30,411;
Edward P. Walker, Registration No. 31,450;
Robert A. Miller, Registration No. 32,771;
Mario A. Costantino, Registration No. 33,565;
Stephen J. Roe, Registration No. 34,463;
Joel S. Armstrong, Registration No. 36,430;
Christopher W. Brown, Registration No. 38,025;
Richard E. Rice, Registration No. 31,560; and
Paul Tsou, Registration No. 37,956.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320. TELEPHONE: (703) 836-6400.

February 14, 2002

Signature

Typed Name: Masashi Kamiya

Title: General Manager



RECEIVED SING

U.S. Patent Application Serial No.	<u>Filed</u>	Oliff & Berridge, PLC Docket No.	Reel/Frame No.
09/538,983	March 30, 2000	111267	010661/0135
09/758,169	January 12, 2001	111277	011460/0868
09/777,699	February 7, 2001	111281	011540/0141
09/788,426	February 21, 2001	111282	011558/0650
09/837,382.	April 19, 2001	111287	011706/0632
09/849,274	May 7, 2001	111290	011784/0710
09/878,247	June 12, 2001	111291	011900/0317
09/883,204	June 19, 2001	111293	011917/0398
09/883,205	June 19, 2001	111294	011916/0601
09/899,054	July 6, 2001	111297	011965/0421
09/935,695	August 24, 2001	111307	012120/0029
09/94 <b>0,</b> 64 <b>8</b>	August 29, 2001	111310	012126/0801
09/940,797	August 29, 2001	111311	012126/0951
09/948,581	September 10, 2001	111313	012163/0692
09/949,753	September 12, 2001	111314	012163/0229
09/950,057	September 12, 2001	111315	012201/0554
09/808,364	March 15, 2001	111316	011612/0898
09/935,696	August 24, 2001	111318	012120/0318
09/599,422	June 22, 2000	111327	010896/0961
09/803,979	March 13, 2001	111332	011603/0287
09/960,735	September 24, 2001	111334	012206/0462

U.S. Patent Application Serial No.	Filed	Oliff & Berridge, PLC Docket No.	Reel/Frame No.
09/521,604	March 9, 2000	111336	010631/0795
09/574,451	May 19, 2000	111337	010816/0493
09/891,349	June 27, 2001	111344	012241/0693
09/773,262	February 1, 2001	111348	012238/0216

FEB (FIRECORDATION FOR ATENT APPLICATION			
TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRAI	DEMARKS:		
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENT	TS OR COPY THEREOF.		
1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):	2. 4. TECHNOLOGY CENTER 2800		
1. Hironao YAMAGUCHI	2.		
3.			
5.	6.		
7.   ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHE	8.		
ADDITIONAL NAME(S) OF CONVETING PARTY(IES) ATTACHE	DI LES LINO		
2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:			
NAME: DENSO CORPORATION	· · · · · · · · · · · · · · · · · · ·		
ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 JA	PAN		
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ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES	X NU		
3. NATURE OF CONVEYANCE (DOCUMENT):  (Submit berewith only one document for recordation multiple	copies of same Assignment signed by different inventors is one		
document)	copies of same Assignment signed by different inventors is one		
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⊠ORIGINAL ☐FACSIMILE/PHOTOCOPY			
☐CHANGE OF NAME ☐VERIFIED TRANSLATION			
SECURITY MERGER OTHER:			
EXECUTION DATE(S) ON THE DECLARATION IF FILED HERE	WITH: (NOTE: IF DATES ON DECLARATION AND		
ASSIGNMENT DIFFER SEE ATTY!) June 1, 2001			
4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL S			
A. PAT, APP. NO.(S) M# 1st INVENTOR	B. PATENT NO(S) M# - 1st INVENTOR		
series code/serial no if not in item 1	if not in item 1		
NEW APPLICATION 281387	A NUMBER INVOLVED		
<ol><li>Name &amp; Address of Party to Whom Correspondence Concerning Document Should be Mailed;</li></ol>	6. NUMBER INVOLVED: APPLNS 1 + PATS 0 = TOTAL 1		
Pillsbury Winthrop LLP	7. AMOUNT OF FEE ENCLOSED: (Code 581)		
Intellectual Property Group	ABOVE TOTAL x \$40 = \$40		
1100 New York Avenue, NW			
Ninth Floor Washington, DC 20005-3918			
5.5ATTY DKT:	8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE		
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P 281387 30954	UNDER ORDER NO 30954 281387		
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	10. Total number of pages including this		
	cover sheet, attachments and document 2		
Ven Jowen	(do not file dup. Cover sheet)		
Signature	18		
Attorney: Paul T. Bowen			
Reg. No. 38009	Date: June 13, 2001		
Atty/Sec: PTB/mjb TEL: (202) 861-3014	FAX: (202) 822-0944		



Pillsbury Winthrop LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918

USA Patent Appln. Sole or Joint

executed with or after application

Atty. Dkt. PW 56600-US-AK/nh

M# Client Ref.

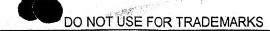
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# ASSIGNMENT OF NONPROVISIONAL APPLICATION

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In the undersigned, to	consideration of the sum of Ten Dollars (\$10.00) wit:	and other good and valu	able consideration paid to ea	ch of
INSERT	(1) Hironao YAMAGUCHI	(2)		
NAME(S) OF	(3)	(4)		
INVENTOR(S)	(5)		box if continued on page	2
the receipt and suffi and transfer(s) unto	ciency of which are hereby acknowledged by the :	undersigned who at the	request of, hereby sell(s), as	sign(s)
INSERT	DENSO CORPORATION			
NAME(S) OF	1-1, Showa-cho, Kariya-city, Aichi-pref., 448-86	661 Japan		
ASSIGNEE(S)			-	<u> </u>
& ADDRESS(ES)	H1		:	
(hereinafter designated "A any and all divisions, conti	SSIGNEE") the entire right, title and interest for the United States of nuations, substitutes, and reissues thereof; and all resulting patents	, known as		including
INVENTION	TRANSFORMER DEVICE, HIGH-VOLTAGE		TUS	+
	HAVING THE SAME, AND LIGHTING SYSTE	M HAVING THEM		16
*	for which the undersigned executed an applica	ition for Letters Patents o	f the United States of Americ	ea:
NOTE → → (Complete	(A) ⊠ even date herewith (B) ☐ on		* * * * * * * * * * * * * * * * * * * *	
line A, B and/or C)	(C) in U.S. Appln. No.	filed		
said ASSIGNEE, for its in hereinafter act on behalf essential by ASSIGNEE	ND the undersigned hereby agree(s) to testify and execute any pay o ASSIGNEE'S full protection and title in and to the invention hereb The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the	tives; the undersigned agree(s) the pers for ASSIGNEE, its successore v transferred.	at the attorney of record in said applications, assigns and legal representatives, de	emed
	NTORS .	DATE SIGNED	WITNESSES	
1): <u> </u>	tironao Yamaguchi	June 1, 2001	Yoshitaka	Sata
	ao YAMAGUCHI			
2) Name:				
3)				9
Name:				
4)				
Name:				
5) Name:				





TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADE SIR: PLEASE RECORD THE ATTACHED OBIGINAL DOCUMENTS  1. NAME OF CONVEYING PARTY (JES) (ASSIGNORS (S)):	
1. NAME OF CONVEYING PARTY(JES) (ASSIGNORS(S)):	
1. Keiji TAKAHASHI 3. Makoto TANIGUCHI 5. 7. ADDITIONAL NAME(S) OF CONVEYING PARTONES) ATTACHED?	) Care
2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:	
NAME: DENSO CORPORATION	
ADDRESS: 1-1 Showa-cho, Kariya-city, Aichi-pref., 448-8661 JAPAN	N .
ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES   3. NATURE OF CONVEYANCE (DOCUMENT): (Submit herewith only one document for recordation—multiple condocument)  ASSIGNMENT OF WHOLE PART INTERES	opies of same Assignment signed by different inventors is one
☐ORIGINAL ☐FACSIMILE/PHOTOCOPY☐CHANGE OF NAME ☐VERIFIED TRANSLATION☐SECURITY☐MERGER ☐OTHER:  EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREW!	TH: (NOTE: IE DATES ON DECLARATION AND
ASSIGNMENT DIFFER SEE ATTY!) May 31, 2001	THE (NOTE. II DIVIES ON BESENVINONINAS
4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHE A. PAT. APP. NO.(S) M# 1st INVENTOR B series code/serial no. If not in item 1 NEW APPLICATION 281174  5. Name & Address of Party to Whom Correspondence 6.	3. PATENT NO(S) M# 13t INVENTOR if not in item 1
Concerning Document Should be Mailed:	APPLNS $\underline{1}$ + PATS $\underline{0}$ = TOTAL $\underline{1}$
Pillsbury Winthrop LLP 7 Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102	7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40
5.5ATTY DKT: 8	B. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE
P 281174 56656-US-SuS/sm U	INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975  JNDER ORDER NO   30954   281174
	dup. sheet not required CLIENT NO. MATTER NO.
1/2/1/16-	10. Total number of pages including this cover sheet, attachments and document 2 (do not file dup. Cover sheet)
Signature Attorney: Paul T. Bowen	Date: June 21, 2001 FAX: (703) 905-2500



Pillsbury Winthrop LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918

USA Patent Appln. Sole or Joint For Inventions made outside USA

executed with or after application

Atty. Dkt. PW 56656-US

M# Client Ref.

COPY

NONPROVISIONAL

# ASSIGNMENT OF NONPROVISIONAL APPLICATION

the undersig	In consideration of the sum of Ten Dollars (\$10.00) ned, to wit:	and other good and valu	able consideration paid to each of
INSERT	(1) Keiji TAKAHASHI	(2)	Toshinori MARUYAMA
NAME(S) OF		(4)	
INVENTOR(			box if continued on page 2
the receipt a and transfer		undersigned who at the	request of, hereby sell(s), assign(s)
NAME(S) OF	DENSO CORPORATION		
ASSIGNEE(	S) 1-1 Showa-cho, Kariya-city	5 (A)	
& ADDRESS	(ES) Aichi-pref., 448-8661 Japan		
(hereinafter desiany and all division of the second of th	ignated "ASSIGNEE") the entire right, title and interest for the United States of ions, continuations, substitutes, and reissues thereof, and all resulting patents  VOLTAGE REGULATOR OF VEHIC  for which the undersigned executed an application (A) even date herewith  (B)  on	CLE AC GENERATOR	
line A, B an	· · · · · · · · · · · · · · · · · · ·	filed .	
hereinafter act		tives; the undersigned agree(s) that pers for ASSIGNEE, its successors y transferred. above address to insert hereon any	t the attorney of record in said application shall , assigns and legal representatives, deemed further identification necessary or desirable for
45.	INVENTORS	DATE SIGNED	WITNESSES
1):	Keiji TAKAHASHI	May (31/200/	Heroshi slshida
Name:	Keiji TAKAHASHI		
2)	Toshinori Maruyama	May/31/2001	Hiroshi Schide
Name:	Toshinori MARUYAMA		*
3)	Makoto Taniguchi	may /81/200/	Heroshi Sahida
Name:	Makoto TANIGUCHI	, , , , , , , , , , , , , , , , , , ,	*

BOX ASSIGNMENTS			DO NOT USE F	OR TRADEMARKS
	PATENT APPLICATION	ORM COVER SHEET ONS & PATENTS ONLY		
TO THE ASSISTANT COMMISS SIR: PLEASE RECORD THE AT	TACHED ORIGINAL DOCUMEN		<b>.</b>	CEIVED
1. NAME OF CONVEYING PAR	TY(IES) (ASSIGNORS(S)):	LO Markini TAN	FE	050 mg
Nakato MURATA     Tsutomu SHIGA		2. Yoshiki TAN 4.	to an it is the	COR CENTER 2800
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ADDITIONAL NAME(S) OF COM	NVEYING PARTY(IES) ATTACH	ED? □YES ⊠NO	14° 2' ''	
2. PARTY(IES) (ASSIGNEE(S))	RECEIVING INTEREST:	·		
NAME: DENSO CORPORATION	<b>V</b> ,,			-
ADDRESS: 1-1, Showa-cho, Kar	riya-city, Aichi-pref., 448-8661 JA	PAN		*
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3. NATURE OF CONVEYANCE	(DOCUMENT):	· ( )	*	
	ocument for recordation—multiple	e copies of same Assignm	ent signed by differe	nt inventors is one
document)	WHOLE PART INTE	REST EXEC. D	ATE: (1 & 2) Ju	ly 12, 2001 and
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SECURITY MERGER	OTHER:	<u> </u>		· .
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ASSIGNMENT DIFFER SEE AT				
4.5 APPL. NO.(S) OR PAT NO.(			YES ⊠NO	- Company Section
A. PAT. APP. NO.(S) M# series code/serial no	1st INVENTOR if not in item 1	B. PATENT NO(S)	<b>/#</b>	1st INVENTOR If not in Item 1
NEW APPLICATION 02827	704			
5. Name & Address of Party to		6. NUMBER INVOLV		
Concerning Document Shoul	ld be Mailed:	APPLNS 1 + PATS	30 = TOTAL	1
Pillsbury Winthrop LLP		7. AMOUNT OF FEE B	NCLOSED: (Code 5	81)
Intellectual Property Group		ABOVE TOTAL x \$4	10 = \$40	
1600 Tysons Boulevard				
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McLean, VA 22102 5.5ATTY DKT:		8. IF ABOVE FEE IS MI	SSING OR INADEQUA	ATE CHARGE
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Signature				
Attorney: Paul T. Bowen		Date: July 26, 2001		
Reg. No. 38009 Atty/Sec: PTB/tel	TEL: (703) 905-2020	Date:July 26, 2001 FAX: (703) 90	5-2500	
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Pillsbury Winthrop LLP 1600 Tysons Boulevard McLean VA 22102

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For inventions made executed with or	·
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NONPROVISIONAL

### ASSIGNMENT OF NONPROVISIONAL APPLICATION

	<u> </u>		
the undersigned, t	In consideration of the sum of Ten Dollars (\$10.00 to wit:	)) and other good and valu	uable consideration paid to each of
INSERT	(1) Nakato Murata	(2)	Yoshiki Tan
NAME(S) OF	(3) Tsutomu Shiga	(4)	:
INVENTOR(S)	(5)		x box if continued on page 2
the receipt and su and transfer(s) un	fficiency of which are hereby acknowledged by the to:	e undersigned who at the	request of, hereby sell(s), assign(s)
INSERT			
NAME(S) OF	DENSO CORPORATION		
ASSIGNEE(S)	1-1, SHOWA-CHO, KARIYA-CITY, AICHI-PR	EF., 448-8661 JAPAN	
& ADDRESS(ES)			
	ASSIGNEE") the entire right, title and interest for the United States attinuations, substitutes, and reissues thereof, and all resulting paten		100, in the invention and all applications including
TITLE OF INVENTION	BRUSH-LESS ROTARY ELECTRIC MACHIN	E HAVING STATOR COC	DLING ARRANGEMENT
	for which the undersigned executed an applica	ation for Letters Patents o	f the United States of America:
<u>NOTE</u> → → (Complete	(A) ⊠ even date herewith (B) ☐ on		
line A, B and/or C)	(C) in U.S. Appln. No.	filed _	
said ASSIGNEE, for its in hereinafter act on behalf essential by ASSIGNEE	AND the undersigned hereby agree(s) to testify and execute any pa to ASSIGNEE'S full protection and title in and to the invention hereb The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the	atives; the undersigned agree(s) the pers for ASSIGNEE, its successoring transferred.	at the attorney of record in said application shall s, assigns and legal representatives, deemed
INVE	NTORS	DATE SIGNED	WITNESSES 0 0 0 - 1
1):	Nakato murata	July . 12. 2001	Hroshi Vahida
2)	Makato Murata to Murata Yeshiki Jan	July 12, 2001	Heroshi Nshida
3)	iki Tan Leutomu Lhoa	July 13.200	Heroshi Ishida
	omu Shiga		0 4 8 1 1 2 4 5
4)		×	·
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BOX ASSIGNMENTS			DO NOT USE FO	OR TRADEMARKS
BOX ASSIGNMENTS TO	RECORDATION FOR		All Sections	
TO THE ASSISTANT COMMISS	PATENT APPLICATION	DEMARKS.	of FEB 20 700	######################################
SIR: PLEASE RECORD THE AT	TACHED ORIGINAL DOCUMEN	2. Hideki ICHIKAWA	F. FESSEY	2800
1. NAME OF CONVEYING PART			and Clay Chare	346
1. Masami NIIMI	1	2. Hideki ICHIKAWA	ECHNON	. w.e
3. Masahiro KATOH		4.		and the second
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ADDITIONAL NAME(S) OF CON	IVEYING PARTY(IES) ATTACHE	D? ∐YES ⊠NO	- 1,1	
2. PARTY(IES) (ASSIGNEE(S)) I	RECEIVING INTEREST:			
NAME: DENSO CORPORATION	1			
ADDRESS: 1-1, Showa-cho, Kar	iya-city, Aichi-pref., 448-8661 JA	PAN		
ADDITIONAL NAME(S) & ADDR	ESS(ES) ATTACHED? TYES	⊠NO		
3 NATURE OF CONVEYANCE	(DOCUMENT):			
(Submit herewith only one do	cument for recordation—multiple	copies of same Assignm	nent signed by differe	nt inventors is one
document)	<u> </u>			
2_3	WHOLE □PART INTER	REST EXEC. [		ne 5, 2001
K-3 0	FACSIMILE/PHOTOCOPY		` '	ne 11, 2001 ne 6, 2001
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4.5 APPL. NO.(S) OR PAT NO.(	C) OTHERS ON ADDITIONAL S	SHEET(S) attached?	YES NO	
A. PAT. APP. NO.(S) M#			M#	1st INVENTOR
series code/serial no	if not in item 1			if not in item 1
NEW APPLICATION 02815			0 3	
5. Name & Address of Party to		6. NUMBER INVOLV		
Concerning Document Should	d be Mailed:	APPLNS 1 + PAT	$S \underline{0} = TOTAL$	<u>1</u>
Pillsbury Winthrop LLP		7. AMOUNT OF FEE	ENCLOSED: (Code 5	81)
Intellectual Property Group		ABOVE TOTAL x \$		
1600 Tysons Boulevard				
McLean, VA 22102				
5.5 ATTY DKT:		8. IF ABOVE FEE IS M	IISSING OR INADEQUA	ATE CHARGE
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Attorney: Paul T. Bowen				
Reg. No. 38009 Date: August 1, 2001				
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Pillsbury Winthrop LLP

Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918 For inventions made outside USA executed with or after application

Atty. Dkt. PW 57168-US-MRB/nh

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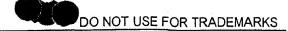
Client Ref.

USA Patent Appln. Sole or Joint

## ASSIGNMENT OF NONPROVISIONAL APPLICATION

	i in	consideration of the sum of Ten [	Collars (\$10.0	0) and other good and va	aluable consideration paid to each of	
the undersig			Jonais (Ψ10.0	o) and other good and ve	adable consideration paid to each of	
INSERT		(1) Masami NIIMI		(2) Hideki ICHIKAWA		
NAME(S) OF		(3) Masahiro KATOH		(4)		
INVENTOR(S		(5)			x box if continued on page 2	
and transfer			wledged by th	e undersigned who at th	ne request of, hereby sell(s), assign(s)	
INSERT		DENSO CORPORATION				
NAME(S) OF		1-1, Showa-cho, Kariya-city, Aid	chi-pref., 448-8	3661 Japan		
ASSIGNEE(S			·			
& ADDRESS	(ES)					
		SIGNEE") the entire right, title and interest for uations, substitutes, and reissues thereof; and			2, 100, in the invention and all applications including	
TITLE OF INVENTION		METHOD OF FABRICATING B	RUSHES			
		for which the undersigned execu	uted an applic	ation for Letters Patents	of the United States of America:	
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hereinafter act of	for its inte on behalf of AN GIGNEE to Th	rest as ASSIGNEE, its successors, assigns an said ASSIGNEE; ID the undersigned hereby agree(s) to testify a ASSIGNEE'S full protection and title in and to e undersigned hereby authorize(s) Pillsbury W	nd legals represent  and execute any pa the invention herel	atives; the undersigned agree(s) tapers for ASSIGNEE, its successory transferred.	s and Trademarks to issue said Letters Patent to the hat the attorney of record in said application shall ors, assigns and legal representatives, deemed my further identification necessary or desirable for	
	INVEN	TORS .		DATE SIGNED	WITNESSES	
1):		masami Nilmi		Junes, 2001	Shinji Usani	
Name:	Masam	i NIMI Zlideki Telitan		7	4 0 0	
2) _		Lideti Sittan		June 11, 2001	Kenji Ogishima	
Name:	Hideki	ICHIKAWA		0	d/	
3)	14- 11	Masahiro Katoh		June 6, 2001	Shinii Usani	
Name:	Masah	ro KATOH				
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2. PARTY(IES) (ASSIGNEE(S)) I	RECEIVING INTEREST:				
NAME: DENSO CORPORATION					
ADDRESS: 1-1, Showa-cho, Kar	iya-city, Aichi-pref., 448-8661, Ja	apan			
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Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918 USA Patent Appln. Sole or Joint

For inventions made outside USA			
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NONPROVISIONAL

# ASSIGNMENT OF NONPROVISIONAL APPLICATION

In the undersigned, to	consideration of the sum of Ten Dollars (\$10.0 wit:	0) and other good and valu	uable consideration paid to each of		
INSERT	(1) Tadatoshi ASADA	(2)			
NAME(S) OF	(3)	(4)			
INVENTOR(S)	(5)		x box if continued on page 2		
the receipt and suffi and transfer(s) unto	ciency of which are hereby acknowledged by th :	ne undersigned who at the	request of, hereby sell(s), assign(s)		
INSERT	SERT DENSO CORPORATION				
NAME(S) OF	1-1, Showa-cho, Kariya-city, Aichi-pref., 448-	8661 Japan			
ASSIGNEE(S)					
& ADDRESS(ES)					
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(hereinafter designated *AS any and all divisions, contin	SSIGNEE") the entire right, title and interest for the United States auations, substitutes, and reissues thereof; and all resulting pater	of America as defined in 35 U.S.C. nts, known as	100, in the invention and all applications including		
TITLE OF INVENTION	VOLTAGE REGULATOR OF VEHICLE AC	GENERATOR			
	for which the undersigned executed an applic	cation for Letters Patents o	f the United States of America:		
NOTE → → (Complete	(A) ⊠ even date herewith (B) ☐ on				
line A, B and/or C)	(C) in U.S. Appln. No.	filed			
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<u>INVEN</u>		DATE SIGNED	WITNESSES		
1): <u>Tad</u>	atoshi Asada	July 2, 200/	Heroshi Ashida		
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1. Naoto IWATA			2. Masayoshi FUJITA		
3. Masahiko NATUME					I have the
5. Nobuhiko NAGAI			6. Mitsutoshi MIYAZAKI		
7. Kunihiro KODAMA		,	8. Toshiji KONDOU		*
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NAME: Denso Corporation	on	*			я.
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Please return signed/recorded to: Cushman Darby & Cushman Intellectual Property Group of Pillsbury Madison & Sutro LLP Ninth Floor, East Tower 1100 New York Avenue, N.W. Washington, D.C. 20005-3918



IF ADDITIONAL INVENTORS, check box X and continue on page 2.

#### USA Patent Appln. Sole or Joint



For Inventions made outside USA executed with or after application

N Client Ref.

#### NONPROVISIONAL

### ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit: (1)(4)Yoshiaki MIZUNO Naoto IWATA INSERT NAME(S) OF INVENTOR(S) (5) (2)Masayoshi FUJITA Nobuhiko NAGAI [x] x box if continued on page 2 (3) Masahiko NATUME the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto: DENSO CORPORATION INSERT NAME(S) OF ASSIGNEE(S) & ADDRESS(ES) 448-0029 Japan of 1-1, Showa-cho, Kariya-city, Aichi-pref. (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof, and all resulting patents, known as TITLE OF INVENTION IMPROVED METHOD FOR MACHINING SLOTS IN MOLDING DIE for which the undersigned executed an application for Letters Patent of the United States of America: NOTE → → (Complete line A, B and/or C) (A) even date herewith (B) on Х May 27 and 28. 1998 in U.S. Appln. No. filed AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legals representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE; AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE -- The undersigned hereby authorize(s) Cushman Darby & Cushman Intellectual Property Group of Pilisbury Madison & Sutro, of the above address to insert hereon any further identification necessary or desirable for recordation of this document. INVENTOR(S) DATE SIGNED To I water 1) Naoto Iwata Name: sours 2) Masayoshi Fujita Name: sahiko 3) natume Masahiko Natume Name: M 4) uno Yoshiaki Mizuno Name: 5) Nobuhiko Nagai Name:

### ASSIGNMENT (Continued from page 1)

### LISTING OF ADDITIONAL INVENTORS

INSERT NAME(S) OF INVENTOR(S)

(6)	Mitsutoshi MIYAZAKI	(11)	
(7)	Kunihiro KODAMA	(12)	
(8)	Toshiji KONDOU	(13)	
(9)	-	(14)	
(10)		(15)	

#### SIGNATURES OF ADDITIONAL INVENTORS/WITNESSES/DATES SIGNED

	INVENTOR(S)	DATE SIGNED	WITNESSES
6) Name: <sup>1</sup>	Mitsutoshi Miyazaki	27- may-98	Idisashi Kayano
7)	Kunihiro Kodama	27-may-98	Hixashi Kayano
Na <b>me</b> :	Kunihiro Kodama		
8) Name:	Joshiji Kondou Toshiji Kondou	28-May-98	Hisashi Kayano Keiji Sahai
9) Name:			
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SIR: PLEASE RECORD THE ATTA	CHED ORIGINAL DOCUMENT	S OR COPY THEREOF	•	,		
1. NAME OF CONVEYING PARTY	(IES) (ASSIGNORS(S)):					
1. Shigenobu NAKAMURA	(120) (7.00.00.00.00.00)	2.		1		
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2. PARTY(IES) (ASSIGNEE(S)) RENAME: DENSO CORPORATION	ECEIVING INTEREST.					
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ADDRESS: 1-1, Showa-cho, Kariy	a-city, Aichi-pref., 448-8661 JAF	PAN				
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ADDITIONAL NAME(S) & ADDRE	SS(ES) ATTACHED? LIYES	NO				
3. NATURE OF CONVEYANCE (	DOCUMENT): ument for recordation—multiple	conies of same Assignm	ent signed by differen	t inventors is one		
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## ASSIGNMENT OF NONPROVISIONAL APPLICATION

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	In consideration of the sum of Ten Dollars (\$10.0)	0) and other good and valu	able consideration paid to each of		
the undersigned,					
INSERT	(1) Shigenobu NAKAMURA	(2)			
NAME(S) OF	(3)	(4)			
INVENTOR(S)	(5)	1 1 7	box if continued on page 2		
the receipt and s and transfer(s) u	sufficiency of which are hereby acknowledged by the into:	e undersigned who at the	request of, hereby sell(s), assign(s)		
INSERT	DENSO CORPORATION				
NAME(S) OF	1-1, Showa-cho, Kariya-city, Aichi-pref., 448-	8661 Japan			
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	d "ASSIGNEE") the entire right, title and interest for the United States continuations, substitutes, and reissues thereof; and all resulting pater		00, in the invention and all applications including		
TITLE OF INVENTION	BRUSHLESS AC GENERATOR				
	for which the undersigned executed an application for Letters Patents of the United States of America:				
NOTE → → (Complete	(A) ☐ even date herewith (B) ☑ on June 5, 2001				
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hereinafter act on bet	AND the undersigned hereby authorize(s) and request(s) the Units interest as ASSIGNEE, its successors, assigns and legals represental of said ASSIGNEE;  AND the undersigned hereby agree(s) to testify and execute any perfect to ASSIGNEE'S full protection and title in and to the invention here. The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the current.	tatives; the undersigned agree(s) that apers for ASSIGNEE, its successors by transferred.	the attorney of record in said application shall assigns and legal representatives, deemed		
1):	VENTORS Shizerobu Nahamura	DATE SIGNED Queux 30, 2001	WITNESSES Hiroshi Ishida		
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